UNION CARBIDE

NUCLEAR DIVISION NEWS

A Newspaper for Employees of the Nuclear Division, Union Carbide Corporation

Vol. 6 - No. 3 February 6, 1975

Vast improvements effective in medical expense program

Salaried employees were advised on January 24 that the Medical Expense Protection Program for them and their eligible dependents was being improved effective February 1, 1975.

These improvements are listed below.

•The maximum allowance provided by the surgical schedule has been increased from $400 to $600. Each surgical procedure in the schedule has been improved by approximately 50 per cent.

•Allowance for a doctor's visit, during hospital stay, has been increased from $5 per day to $7 per day, beginning on the first day of the hospital stay. The old schedule at Oak Ridge began on the fifth day.

•Charges for services provided by properly licensed clinical psychologists for treatment of a mental illness or a functional disorder will be paid under the Major Medical Expense Plan on the same basis as similar charges by psychiatrists. Heretofore, payment has been only for treatment by a psychiatrist or under the direction of a psychiatrist.

•The waiting period for eligibility for coverage has been improved. Prior to February 1, a new employee was eligible the first day of his third month of employment. Under the revised program, a full-time, permanent employee is eligible for basic hospitalization and major medical expense coverage the date he reports for work. Eligibility for an employee hired on a full-time but temporary basis will be when he completes four months of employment.

The costs of these improvements, which are paid by the Company, average approximately $3 per month per employee. These increases bring the average cost for family coverage for a Nuclear Division employee to approximately $500 per year, all of which is paid by the Company. In addition, the average cost of Major Medical Expense for family coverage averages approximately $100 per year, one-half of which is paid by the Company and the other one-half paid by the employee.

These improvements are responsive to recommendations offered by the Benefit Plans Task Force, following the Attitude Survey conducted last year.

Agreements have been reached with unions representing hourly employees to make the same improvements effective for them. At press time, some of these agreements were still subject to ratification.

UNION CARBIDE PLAUDITS — William B. Nicholson, vice-chairman of the board of Union Carbide Corporation, accepts a special citation from the U.S. Atomic Energy Commission for outstanding contributions to the nation's uranium enrichment and national security programs. Dixy Lee Ray, right, made the presentation. (Additional photo appears on page 10.)

Union Carbide retirees get boost in pension benefits

Over 1,700 Nuclear Division retirees or their surviving spouses will receive an increase in their monthly pension checks this year.

Union Carbide Corporation's Board of Directors recently approved an increase in the lifetime income payable to employees who retired before January 1, 1973, and this has now also been approved for Nuclear Division retirees by Energy Research and Development Administration, (which recently assumed Atomic Energy Commission functions). Those who retired on or after January 1, 1973, have already been benefiting from the 9.1 percent increase that went into effect on that date with a change in the formula from 1.1 percent to 1.2 percent.

Percentage increase

The monthly retirement income of persons who retired before 1973 will be increased by 4 percent plus an additional 1 percent for each year prior to 1972 in which the employee was retired for at least one full month. For example, a person who retired on December 1, 1967 will receive an increase of 4 percent plus 5 percent for the years 1967 through 1971, for a total of 9 percent. The increase ap-

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Union Carbide cited by AEC for outstanding contributions

A special citation to Union Carbide was given recently for the Corporation's outstanding contributions to the nation's uranium enrichment and national security programs. The citation was awarded by U.S. Atomic Energy Commission Chairman Dixy Lee Ray, at the AEC's Germantown, Md., headquarters.

Union Carbide Corporation was cited for being "at the forefront of an aggressive United States effort to develop highly efficient technologies for uranium enrichment." The Corporation was commended for more than 30 years of work on the gaseous diffusion process and since 1960 for its participation in the research and development of the gas centrifuge process. Though its Nuclear Division, Union Carbide operates production, research and development facilities at Oak Ridge and Paducah, Ky.

Attending the ceremonies were William B. Nicholson, vice-chairman of the board of UCC; Roger F. Hibbs, President of the Nuclear Division; Clarence E. Larson, former President of the Division and AEC commissioner; Paul R. Vanstrum, vice-president of engineering and development of the Nuclear Division; William J. Wilcox Jr., technical director for the Division; Clyde C. Hopkins, Manager of the Paducah Gaseous Diffusion Plant; and Robert A. Winkel, Manager of the Oak Ridge Gaseous Diffusion Plant.

Other organizations cited in the AEC ceremony were the Garrett Corporation, through its AiResearch Manufacturing Company; Goodyear Atomic Corporation, a subsidiary of Goodyear Tire and Rubber Company; The University of Virginia; the University of California and Bendix Corporation, along with Western Electric Company.

The Corporation has been involved in the nation's atomic energy program since the early days of World War II, when scientists at Columbia and other universities demonstrated that gaseous diffusion could be used to separate useful quantities of uranium-235.

(Continued on page 10)

WATTec sets second annual conference February 20, 21

0621 ORNL

Nuclear Division personnel are again playing important roles in Engineers Week activities planned this month. "Energy - the Role of Industry and Technology" has been chosen as the theme of the second annual WATTec Conference and Exhibition set at the Hyatt Regency in Knoxville, February 20 and 21. Highlighting Engineers Week, the WATTec program presents industrial leaders and educators participating in energy-related sessions.

The two-day conference explores the contemporary, near-future and more distant future energy sources and their related technology. In parallel afternoon sessions, the education program will consider contemporary and future manpower needs and resources associated with the energy industry.

Exhibits of industrial equipment involved in energy production will be in the main lobby of the Hyatt Regency and company representatives will be available at the booths to discuss their products with visitors.

Societies sponsor

The Welding and Testing Technology Exhibition and Conference (WATTec) is jointly sponsored by the local sections of the American Nuclear Society; American Society of Civil Engineers; American Society of Heating, Refrigerating and Air-Conditioning Engineers; American Society for Metals; American Society of Mechanical Engineers; American Society of Safety Engineers; American Society for Nondestrucive Testing; American Welding Society; Institute of Electrical and Electronic Engineers; Instrument Society of America and Society of Manufacturing Engineers in concert with the Engineers Week activities of the local sections of the Tennessee Society of Professional Engineers, American Society of Certified Engineering Technicians, American Institute of Architects, American College of Surveyors, American Institute of Chemical Engineers, American Institute of Industrial Engineers and the Association of Cost Engineers.

LAST YEAR'S EXHIBITS — WATTec will hold its second annual conference at the Hyatt Regency in Knoxville February 20 and 21, and will repeat the industrial equipment display in the lobby. This year's theme is "Energy - the Role of Industry and Technology." Last year's exhibits are seen above.

Robert M. McClung, Holifield National Laboratory, will co-chair the first session on the present energy situation. Grady D. Whitman, also from HNL, will present an address on "Testing of Six-Inch-Thick Model Reactor Vessels at High Pressure."

Mike Bender and Gerald M. Slaughter, both of HNL, will co-chair the afternoon session February 20, also dealing with the present energy picture. Ralph G. Donnelly, HNL, will present a discussion on "Energy in Space - The Pioneer-10 Mission to Jupiter."

CHAIRS COMMITTEE — James C. Thompson Jr., Y-12 Plant, will chair the executive committee for WATTec as the group prepares for its second annual conference. A total of 18 technical societies are sponsoring the event, which takes place during Engineers Week.

Joe C. Hall, Oak Ridge Gaseous Diffusion Plant, will discuss "The Role of Professional Societies in Promoting Manpower for the Energy Industry," in the first afternoon session.

On February 21, William R. Martin and Robert E. MacPherson, HNL, will co-chair The Near Future session. In the afternoon, William D. Burch, HNL, will be a co-chairman on The Future sessions.

Nuclear Division employees serving on various WATTec Committees include: James C. Thompson Jr. chairman of the executive committee, and with him on that committee are Jerry L. Cadden, Joel W. Garber, Paul G. Schneider, Domenic A. Canonico and Fred D. Mundt.

Representatives committee

On the representatives committee are William O. Harms, ANS; Anthony Schaffauser, ASM; John L. Petty Jr., ASME; William B. Chambley, IEEE; Robert L. White, ISA; and Paul Boyer, SME.

James A. "Al" Stanton is on the TSPE liaison committee, and James R. Weir is chairman of the technical program committee.

J. Robert McGuffey co-chairs the educational program committee; Charles E. Frye is chairman of the publicity committee and C.M. "Chuck" Knowles is chairman of the registration committee.

The final session on February 21 will be a Future Manpower workshop featuring the previous day's speakers acting as panel members.

Discussions, questions, and comments from educators and industry participants will center around the current and future status of craftsmen and technicians relative to industrial needs.

Colleen (Mrs. Domenic) Canonico is co-hostess for women's activities during the conference.

Highlight of the conference will be a banquet in the ballroom of the Hyatt Regency. Thomas Baron, President of Shell Development Company, is the banquet speaker. More than 1,000 engineers and guests are expected.

Reservations may be made through Charles M. "Chuck" Knowles, extension 3-7201.

PENNY SHORTAGE 'WORSE THAN EVER'

John Dougherty, Food Services Coordinator for the Nuclear Division, says that there has been no relief from the penny shortage. He had hoped that after the holidays more pennies would be available, but if anything the situation is worse.

"It has gotten so bad that our cafeteria managers have to drive into Oak Ridge and buy as little as 50 cents worth of pennies at a time from the local merchants," Dougherty said.

Dougherty extends his appreciation to Division employees who responded to his plea for pennies in the December 19 issue of **Nuclear Division News.** Many have traded in pennies at the cafeterias and canteens and others have helped by providing the correct change when making purchases.

"But we still need your help," said Dougherty. "The penny crisis is worse than ever."

NUCLEAR DIVISION NEWS

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QUESTION BOX

If you have questions on company policies, benefits, etc. or any other problems with which we might help, just let us know. Drop your inquiry to the Editor, **Nuclear Division News.** *(Or telephone it in to your plant news representative.) You may or may not sign your name. It will not be used in the paper.*

Questions are referred to the proper authorities for accurate answers. Each query is given serious consideration for publication.

Answers may be given to employees personally if they so desire.

QUESTION: I have been a Union Carbide employee for over twenty-two years. I took a leave of absence from July 1 to August 31, 1974, because of the serious illness of my husband. I was recently informed that I will not receive the wage increase given most salaried employees during this period because of this absence. My supervisor told me that I deserved the increase and he would like to give it to me, but Carbide policy forbids this. Since Roger Hibbs publicly stated that the adjustment was intended to correct a deficiency that had developed in the Company's salary program due to continued inflation, I feel it is grossly unfair to deprive me of this salary increase. I would appreciate it very much if the "Question Box" would investigate this situation.

ANSWER: Your case has been investigated and it has been determined that, as you state, an increase should have been granted. This matter will be corrected.

QUESTION: Why wasn't there any reference in the J.Q. Carbide form to termination allowance payable at retirement. Does this represent a change in policy?

ANSWER: No change in policy. Termination allowance is still payable at retirement for Company service prior to December 31, 1965 (December 31, 1966, for hourly P&M employees at the Oak Ridge and Paducah Gaseous Diffusion Plants). It was left off the J.Q. Carbide forms because we used a standard format developed by the consultant who worked with us on that project. We will consider including this information next time the J.Q. Carbide statements are distributed.

QUESTION: Recently, I have seen some articles in national magazines concerning payment for pregnant women while on leaves of absence. Is there anything being done here at Y-12 in relation to this type of payment?

ANSWER: There are no plans being made in the Nuclear Division to pay women employees their salaries while off on maternity leave. Absence for pregnancy has never been considered an illness for the purpose of paid sick leave; however, employees are permitted to work as long as they are able to perform their job duties and do have a right to return to the payroll as soon as they are able. While some few companies are making payments during maternity leave, most are not.

QUESTION: How come when you hire in at Carbide as a secretary, you have to come in as a "steno" or a "clerk-typist" regardless of the years of experience or the recommendations you may have?

ANSWER: Since the establishment of the Nonexempt Salaried Employee Opportunity System, positions such as secretary would normally be posted for internal bidding. An outside hire at this level would result only if no qualified applicants were found within the organization. Such an individual would be classified as a secretary and paid in the appropriate price range.

Even though an applicant might be qualified to perform work at a higher level, he or she is paid according to the rate range for the job opening filled.

QUESTION: Are there any specific job duties assigned to each weekly code such as clerk, records clerk, material planner, etc.?

I am classified as a records clerk (code 45), but for the past three years I have been doing a material planner's job. If I am expected to do this work, I think I should be paid accordingly, and be promoted to the higher code.

ANSWER: Yes, there are specific job duties assigned to each job classification but with some overlap in job assignments between the various classifications. Individuals are classified according to the primary purpose of their job assignments. If you feel that your job assignments are primarily those of a material planner, you should discuss this matter with your immediate supervisor and ask that your job be reviewed by the salary administration office. Appropriate action will be taken to ensure that you are properly classified.

QUESTION: Does UCC-ND have any control over prices set by the American Restaurant Association on vending machine food items? What is the average increase for such items in

(Continued on page 10)

AGU appoints Dale D. Huff to Water Quality Committee

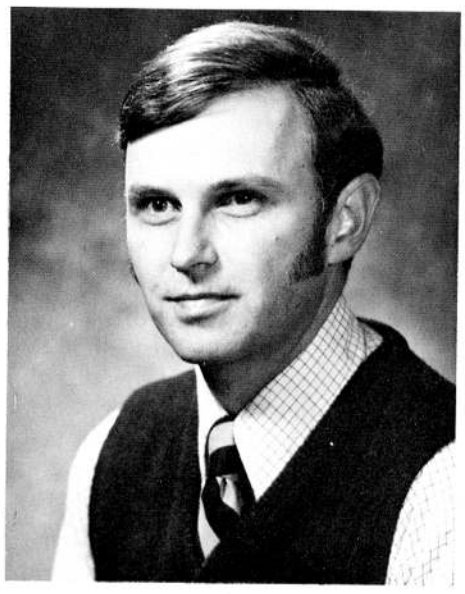
Dale D. Huff, Environmental Sciences Division at Holifield National Laboratory, has been asked to serve a two-year term on the Technical Water Quality Committee, Hydrology Section, of the American Geophysical Union.

The American Geophysical Union, which is organized into three regional groups, has a membership of 10,500 scientists and technologists in the field of geophysics. Its purposes are: to promote the study of problems concerned with the figure and physics of the earth; to initiate and coordinate researches which depend upon national and international cooperation, and to provide for their scientific discussion and publication.

Huff, a native of Portland, Ore., has B.S., M.S., and Ph.D. degrees in chemistry and hydrology, from Stanford University. While a student at Stanford, Huff received fellowships from both the National Science Foundation and the Environmental Protection Agency.

Huff previously worked as a radio chemist at Hazelton Nuclear Science Corporation, and most recently was an associate professor in the Civil and Environmental Engineering Department at the University of Wisconsin at Madison.

In 1973, Huff came to the Laboratory on a one-year research assignment. He joined the staff as a permanent employee in August, 1974. He is currently involved in the ESD's programs on ecology and analysis of trace contaminants, and ecosystem analysis.



Dale D. Huff

The Technical Water Quality Committee is composed of ten experts in the field who represent a diversity of water-quality areas of interest. Two of the topic areas which the Committee will be concerned with over the next two years are: data requirements in operational water-quality models; and design strategies for assessing and predicting environmental impacts of energy development in river basin systems.

In addition to the American Geophysical Union, Huff is a member of the American Association of University Professors and the American Society of Civil Engineers.

Huff and his wife, Janis, have two children: Lisa and Dean. They reside on Outer Drive in Oak Ridge.

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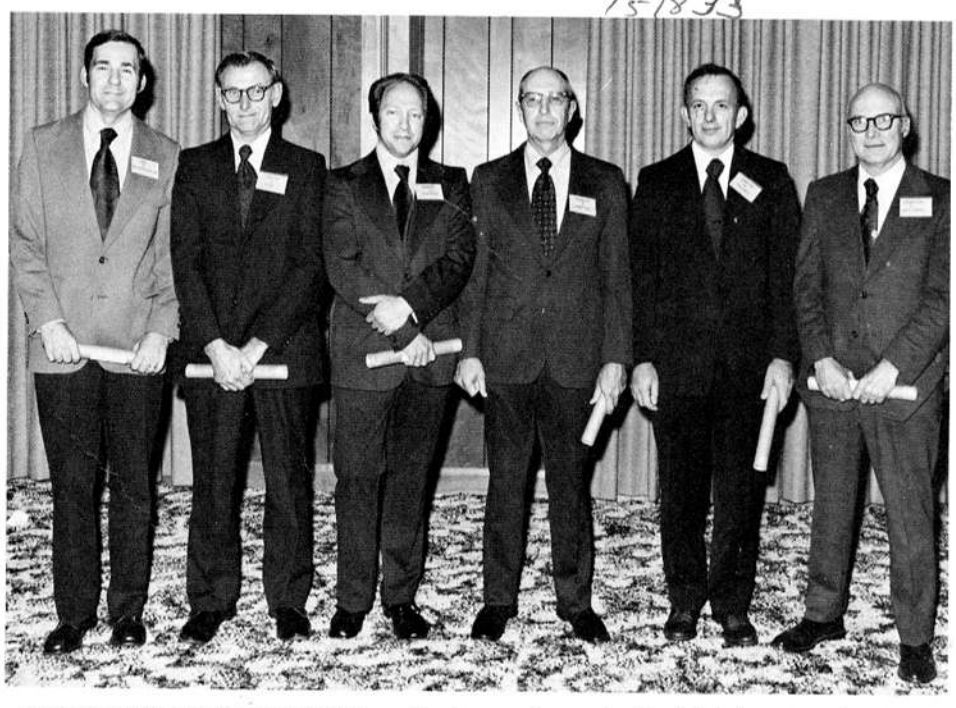

HOLIFIELD LAB ENGINEERS — Engineers from the Holifield National Laboratory were recently certified as licensed professional engineers in the State of Tennessee. From left are Joel R. Buchanan, Lester J. King, Samuel S. Stevens, Robert E. Lampton, Orison M. Thomas and Grady D. Whitman. The certificates of registration are issued by the Tennessee State Board of Architectural and Engineering Examiners.

NUCLEAR DIVISION SAFETY SCOREBOARD

Time worked without a lost-time accident through January 30:

Paducah	177 Days	1,330,000 Man-Hours
Laboratory	48 Days	839,254 Man-Hours
ORGDP	23 Days	432,000 Man-Hours
Y-12 Plant	59 Days	1,690,000 Man-Hours

New Museum of Atomic Energy to dazzle Oak Ridge visitors

Like a gigantic puzzle, the many parts of the new American Museum of Atomic Energy in Oak Rdge, are beginning to come together.

The $3-½ million building is nearly completed. Painters, electricians, and other craftsmen are adding the finishing touches to the inside, and grass will soon be growing outside.

But the impressive new structure is only part of the picture. Dozens of exhibits are being unpacked for assembly in the exhibit halls. When finally in place, these exhibits will tell the story of energy. Not just atomic energy, but other forms of energy as well, past, present and future.

There are exhibits dealing with such diverse subjects as fusion, health, crime detection and space ex-exploration. Each exhibit has been specially designed and built for the new museum, with opportunities for visitor participation as one of the most important goals.

Five exhibit halls

There are five permanent exhibit halls in the new museum, plus an area set aside for special exhibits. Displays in the "Energy for Electric Power Today" hall trace the history of energy from the turn of the century to today's modern nuclear power plants. "Energy for Tomorrow's Power," the second permanent exhibit hall, explains some of the more exotic sources of energy for the future, such as fusion, solar and geothermal energy.

Exhibits for these two areas were built by Exhibitgroup New York, which has made exhibits for the New York World's Fair, Expo '67 in Montreal, and for the National Aeronautics and Space Administration.

Other diverse uses

The exhibits in the "Energy on Special Assignment" area deal with a wide variety of energy applications. Among these are devices for powering remote weather stations and space satellites, as well as displays featuring little-known applications of atomic energy in crime fighting, detecting art forgeries and industrial packaging.

In the "Energy for Better Health" section, visitors will see how atomic energy has contributed to medical research, nutrition and agriculture. The museum "menagerie," which has some of the small animals used in medical research, will be featured here.

Presentations South, of Orlando, Fla., is responsible for the exhibits in these two areas. This firm has fabricated exhibits for Walt Disney World, the American Museum of Immigration in the base of the Statue of

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158224

AMERICAN MUSEUM OF ATOMIC ENERGY — A new structure is added to the Oak Ridge sky-line, as the American Museum of Atomic Energy sets an opening date for February 17. The handsome structure will house startlingly new exhibits depicting myriad uses of the atom. The museum is operated by the Oak Ridge Associated Universities.

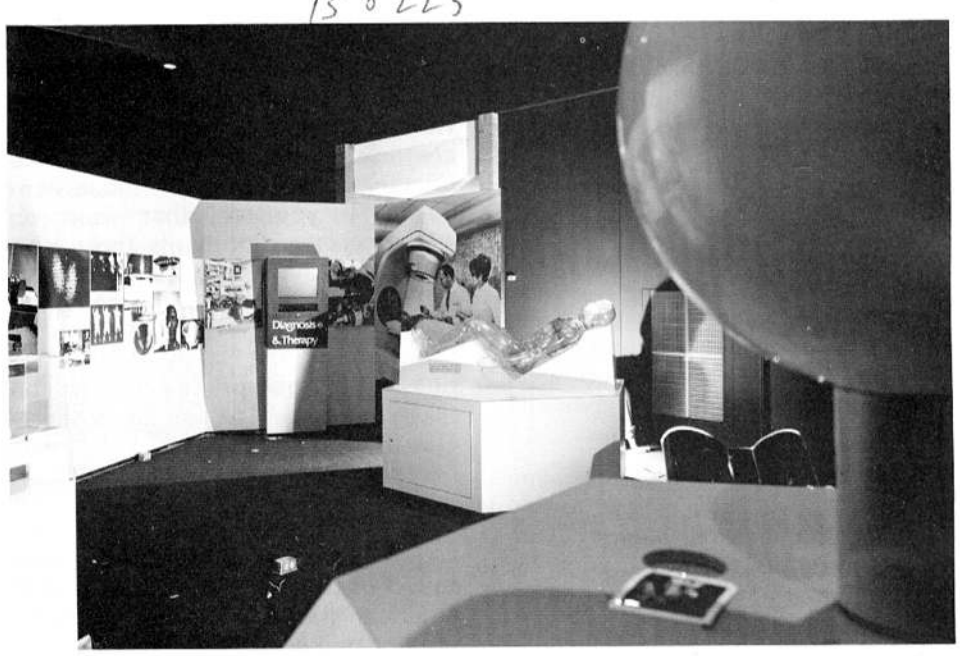
158227

NEW AUDITORIUM — A 250-capacity auditorium is in the new American Museum of Atomic Energy and will be available to special groups for meetings and programs. The museum opens next month, replacing the old structure on Jefferson Avenue in Oak Ridge.

158223

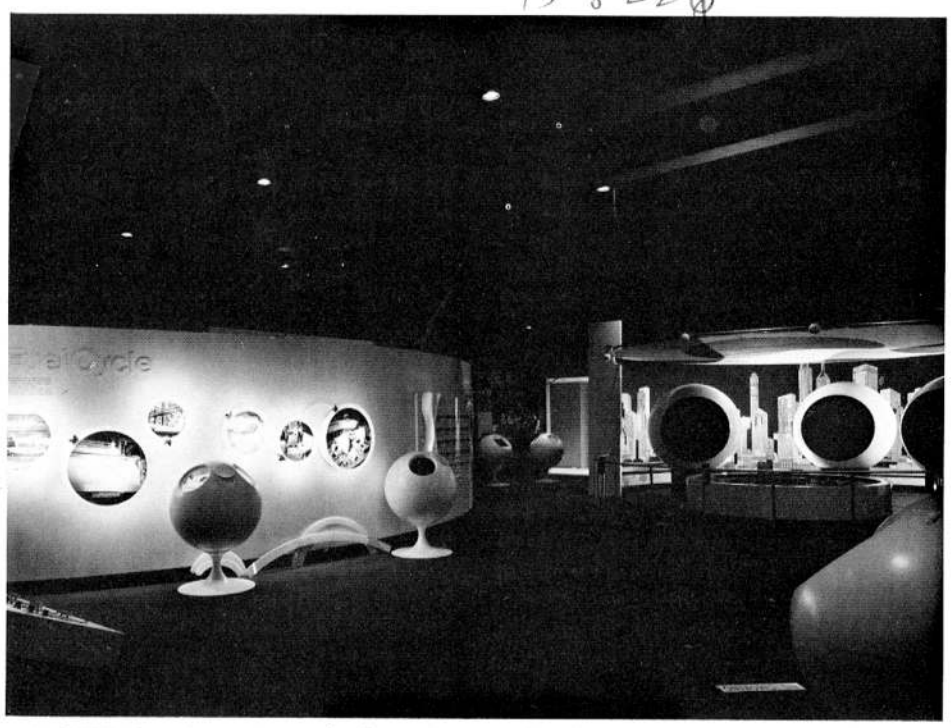
BOLD NEW ARCHITECTURE — Arches divide the exhibits in the specials uses for atomic energy section of the new museum. In this section, unusual uses for man's new energy are shown, such as strengthening concrete by irradiating it.

158225



MEDICAL RESEARCH — A plastic man is shown being examined for malfunctions with the use of the atom. Radioisotopes were used early in the atomic age, and their usefulness grows every year. The research section is one of bold exhibits in the new American Museum of Atomic Energy.

15822



EXCITING VISUALS — The latest in visual aids will be included in the new American Museum of Atomic Energy, located directly across the street from the main Post Office in Oak Ridge. Many new features will add to the attractiveness of the tourist treat for the Atomic City.

New Museum

(Continued from page 4)

Liberty, and the visitors gallery of the American Stock Exchange.

Weapons displays

The last permanent exhibit area, "Energy in the Defense of Freedom," presents materials explaining the nation's defense program. One of the features of this section is a pictorial history of the development of nuclear weapons during World War II. In addition to the weapons displays, copies of the strategic arms limitation treaties can be seen. Charles Maltbie Associates of Moorestown, N.J., built the exhibits in this room.

Any museum, especially a museum devoted to science, is more than simply a collection of exhibits, no matter how interesting they may be. The American Museum of Atomic Energy is no exception. It will be offering an exciting array of educational programs through its Science Education Resource Center. These programs will include in-service workshops for science teachers, special museum tours and demonstrations for students, and teaching aids and materials for schools throughout the Appalachian region. All of these services will represent an important outreach of the new museum.

Many visitors expected

The previous museum served as the base of operations for the U.S. Atomic Energy Commission's extensive traveling exhibits program. The new museum will continue this role under the Energy Research and Development Administration. Oak Ridge Associated Universities (ORAU) operates the American Museum of Atomic Energy. ORAU, a nonprofit corporation sponsored by 42 colleges and universities throughout the South, has managed the museum for the past 25 years.

When the doors of the museum open to the public in February, the thousands of expected visitors will be able to see the most comprehensive collection of exhibits and programs on energy ever assembled. The new museum will be open every day of the week except Thanksgiving, Christmas, and New Year's Day. There is no admission charge. The museum is located in the center of Oak Ridge on South Tulane Avenue across the street from the Post Office, convenient to I-40 and I-75.

Be sure to take your guests there when they come to town. You, nor they, have seen anything quite like it!

Division Deaths

Earl B. Perrin, a planner and estimator in the Holifield National Laboratory's Thermonuclear Division, died January 16 in a Knoxville Hospital. Mr. Perrin had worked in the Division at the Y-12 Plant site since April, 1951.

Mr. Perrin

Mr. Perrin is survived by his wife, Mrs. Fern Graves Perrin; daughter, Mrs. Kay Bond; son, Dr. Philip D. Perrin; brother, Kyle D. Perrin; two sisters, Mrs. Elva Smith and Mrs. Joann Wade; and four granddaughters. The Perrin home is at 2108 McClain Road, Knoxville.

Stevens Funeral Home was in charge of services, which were held January 18 in Knoxville.

FORMER MAINTENANCE FOREMAN

Richard F. Hawk, a retired maintenance foreman from the Y-12 Plant, died January 24 in a Knoxville hospital. A native of Washington County, Mr. Hawk retired from Union Carbide nine years ago. He is survived by his wife, Irene Bishop Hawk; a daughter, Lois H. Moseley; two sons, Richard P. and Lawrance S. Hawk; four sisters, six grandsons and four granddaughters.

Funeral services were held at Weatherford Mortuary Chapel, with burial in Oak Ridge Memorial Park.

Draper, Lindsey, J. Jones, W. Jones, Mabry, Word promoted at Paducah

Six recent promotions have been announced at the Paducah Gaseous Diffusion Plant.

Ezra F. (Tommy) Draper has been named an electrical foreman in electrical maintenance; Joseph D. Lindsey has been promoted to a safety analyst in the Employee Relations Division; James T. Jones has been promoted to a maintenance foreman in the Maintenance Division; William S. Jones has been named a planner-estimator in the Maintenance Division; Sammy Mabry has been promoted to a process maintenance foreman in the Maintenance Division; and Dewey B. Word has been upped to a senior inspector in Plant Engineering.

Draper joined Union Carbide in 1956, after being self-employed. A native of Milburn, he graduated from Murray State University. A veteran of the U.S. Army, he served in the Signal Corps during World War II.

He and his wife, the former Flo J. Hill, live at Wickliffe. They have two children, Carol J. Scott and Tommy.

Lindsey, a native of Arlington, has a B.S. degree in industrial arts from Murray State University. He joined Union Carbide in 1951, after working with du Pont and serving in the U.S. Navy. He taught industrial arts in Alcoa, Tenn., also.

Mrs. Lindsey is the former Lola Goin. They have a daughter, Jola Gayle, and live on Route 1, Arlington.

Draper **J. Jones**

W. Jones **Lindsey**

Mabry **Word**

James T. Jones, a native of Johnson County, Ill., has been at the Paducah Plant 23 years. He attended The Bailey Technical School, St. Louis, and worked with Temperature Control, Peoria, before joining Union Carbide.

Married to the former Alberta Reichrath, he lives at 3750 Lovelaceville Road, Paducah. The couple has two children, Lisa and Sherry.

William S. Jones, a native of Springfield, Tenn., has been with Union Carbide more than seven years. He attended West Kentucky Vocational School.

Mrs. Jones is the former Carrie Bell Johnson, and they have two children, David and Demond. They live at 752 Levin Avenue, Paducah.

Mabry was born in Cairo, Ill., and worked with the Paducah Marine Ways before joining Union Carbide in 1968. He attended Murray State University.

Mrs. Mabry is the former Carolyn Ann Higgins. The couple lives at Route 4, Bardwell.

Word, a 10-year Union Carbide veteran, was born in Paducah.

He was employed at the Paducah Printing Company before joining Union Carbide.

Mrs. Word is the former Becky Sue White, and they live at 3725 Ramona Drive, Paducah. The couple has two children, Kimberly and Joe.

AIChE elects Prados to board

John W. Prados, vice president for academic affairs of The University of Tennessee, has been elected a director of the American Institute of Chemical Engineers.

Prados

The institute has more than 38,000 members with 100 local sections in the United States. Its purposes are to advance chemical engineering in theory and practice, to maintain a high professional standard among members, and to serve society, particularly where chemical engineering can contribute to the public interest.

Prados has served the institute in a number of roles over the past 16 years, including terms as chairman of the Knoxville-Oak Ridge Section and as national chairman of the organization's public relations committee.

Prados, who has been on the UT staff since 1956, was a professor of chemical engineering and associate dean of the college of engineering before being named dean of admissions in 1971. He served as acting chancellor for four months in 1973.

For more than 15 years he was a consultant to Union Carbide, and he currently serves as a member of the advisory committee to the Metals and Ceramics Division, Holifield National Laboratory.

FEBRUARY 17 HOLIDAY

Monday, February 17, is an official holiday for employees in all four of the Nuclear Division plants. This date is the nationally-designated observance of the birth of George Washington for 1975.

No employee is required to be at work unless his presence is required by security or continuous operations.

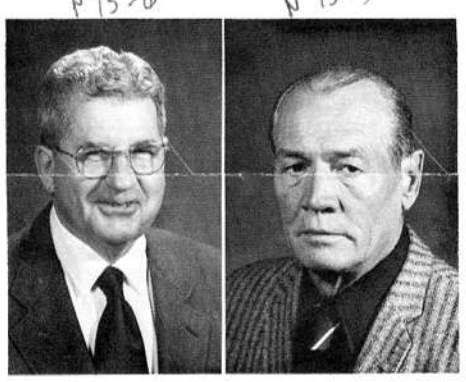
Division Retirees

Browne Mrs. Goss

Four long-time Y-12 veterans retired January 31, marking more than 96 years combined company service.

Leland E. Browne, instrument engineering, joined Union Carbide in 1952. He retires to his Route 2, Kingston, home.

Frankie H. Goss ended more than 31 years company service. She was in nondestructive testing and worked in the Y-12 Cafeteria many years. She and her husband, Tommy, another Y-12 veteran, live at Route 17, Higdon Drive, Knoxville.



Overholser Strange

Lyle G. Overholser, material engineering, ends a 27-year career with Union Carbide. He lives at 101 Cahill Lane, Oak Ridge.

Wilfred L. Strange, general machine shop, came to Y-12 in 1960. He retires to his 2015 Fair Drive, Knoxville, home.

Fellers

Henry L. Fellers, utilities operations coordinator at the Oak Ridge Gaseous Diffusion Plant, retired from Union Carbide February 1, after more than 30 years' company service. He lives at 183 Outer Drive, Oak Ridge.

Employees retiring from Holifield National Laboratory on February 1 included Chrisie S. Day, Wallace E. Denny, Claude E. Guettner, George T. Hall and Frank S. Luttrell.

Mrs. Day was a math assistant in the Computer Sciences Division. She joined the staff in August, 1944. Mrs. Day resides at 110 Disston Road, Oak Ridge.

Denny retired with more than 26 years of company service. He was a laboratory technician in the Metals and Ceramics Division. Denny and his wife, Mabel, reside at Route 6, Clinton. They have two sons and six granddaughters.

Mrs. Day Denny

Claude E. Guettner was an animal facility worker in the Biology Division. He had worked in the Division since December, 1944. Guettner and Verna, his wife, live at 203 West Cumberland, Kingston.

George T. Hall retired with more than 29 years of company service credit. He worked in the Isotopes Division as a senior laboratory technician. Hall and his wife, Freeda, live on a small farm at Beaver Ridge Road, Knoxville. They have a son, a daughter and seven grandchildren.

Guettner Hall

Luttrell

Frank S. Luttrell was a fire and guard lieutenant in the Laboratory Protection Division. He passed the 31-year company service mark in December. Luttrell and his wife, Alice, reside at 9020 Blue Grass Drive in Concord. They have two daughters.

Y-12's Hoy named to executive seat on National Safety Council

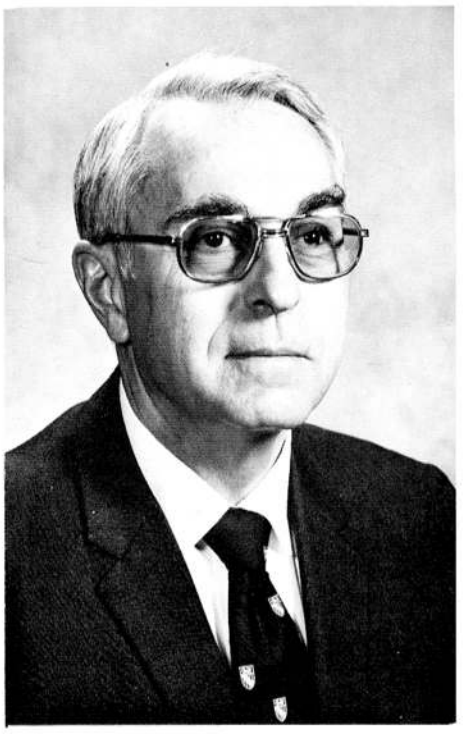
Harry C. Hoy Jr. has been named secretary of the executive council of the National Safety Council. He is the only member of the Electronic and Electrical Engineers on the council, and his responsibilities are to review, promote and maintain guidelines on research and development equipment that operates beyond existing theories and codes.

Hoy, in Engineering at the Y-12 Plant, joined Union Carbide in 1947. A native of Arkansas, he is a graduate of The University of Tennessee, where he also worked as a laboratory assistant.

He also serves on the electrical hazards panel for the National Academy of Science. A member of the Society for Professional Engineers (both national and state-wide), Hoy belongs to the Institute of Astronomical and Aeronautical Engineers, the American Ordnance Association, and serves on the executive committee of the National Rifle Association.

The NSC reviews Occupational Safety and Health Act standards periodically, covering all disciplines and at all levels of research.

Hoy and his wife, Marion, live at 6330 Grove Drive, Knoxville. She is employed in Engineering at Holifield National Laboratory.



Harry C. Hoy Jr.

V.R.R. Uppuluri elected 'ordinary' member of ISI

V. R. Rao Uppuluri, mathematics and statistics research department, Computer Sciences at Holifield National Laboratory, has been elected to the International Statistical Institute (ISI).

Uppuluri

The ISI is an autonomous society devoted to the development and improvement of statistical methods and their application throughout the world. It has a membership of over 600 people from 57 countries, with its permanent office located in The Netherlands.

Uppuluri was elected to ISI as an "ordinary" member, a category designated for persons distinguished for their contributions to the development or application of statistical methods. The ISI currently has about 100 ordinary members from the United States and 15 from Canada.

Uppuluri is a Fellow of the American Statistical Association, American Association for the Advancement of Sciences, and The Royal Statistical Society.

A native of Andhra, India, Uppuluri received his masters degree from Andhra University. He later received a Ph.D. in mathematics from Indiana University. In 1963 Uppuluri joined the Nuclear Division staff.

Uppuluri and his wife, Shigeko, reside at 130 Indian Lane, Oak Ridge. They have a son.

COMPANY Service

20 25 30

Y-12 PLANT
30 YEARS

Lige A. Turpin, area five maintenance; Henry W. Krouse, plant protection department; Everett P. Braden, alpha 5 processing; Paul E. Whillock, chemical services; Carroll H. Noe, buildings, grounds and maintenance shops; Willie J. Fowler, process maintenance; Thomas A. Williams Jr., office services administration; Fred R. Sexton, 9215 rolling mill; Lucille J. George, building services department; Roy L. Luttrell, general shops and William S. Caruthers, electrical and electronics department.

25 YEARS

Arthur W. Brewer, Roy E. Monger, Edward W. Murray, Alice W. Gibson, James W. Young, Horace M. Monday. Donald M. Hensley (December 26).

20 YEARS

Mary L. Miller, Charles K. Morris and Charles R. Settles.

PADUCAH
20 YEARS

Mary Ellen Pfost and O. Harry Cogdell.

ORGDP
30 YEARS

J. D. McClendon, Engineering Division; Guinn J. Marrow, chemical and general field maintenance; Katherine B. Terry, traffic, receiving and shipping department; William R. McKee, cascade maintenance department; Ernest B. Williams, data center; George H. Hudson, development maintenance; Raymond Hurst and Edward S. Bishop, mechanical services department; Charles E. Goodman, U-235 separation department; Ervin Halterman and Coya S. Stinnett, administrative services; James R. Waddle, utilities operations; Elroy Richeson, mechanical services department and Cleophus Haire, chemical and technical maintenance department. Presley W. Honeycutt and Leon G. Rampley, utilities operations.

Y-12ers choose safety awards for past year

Employees of the Oak Ridge Y-12 Plant will choose from 18 handsome items as selections for the safety awards for 1974. These awards were earned by the three 90-day periods worked without a lost-time accident ($2 for each period) and for the plant's disabling injury frequency rate less than the Nuclear Division's goal of 0.40 (another $2).

The items, selected by the Plant Awards Committee, are as follows:

1. Badminton set.
2. Five-piece Corning ware set.
3. Blow-torch kit.
4. Electric can opener.
5. Electric digital clock.
6. Electric hair-styler.
7. Pressure cooker.
8. Playmate cooler.
9. 30-quart cooler.
10. Electric drill.
11. Steam iron.
12. Jig saw.
13. Life vests.
14. Heat massager.
15. Electric percolator.
16. Spinning reel.
17. 55-piece stainless flatware.
18. 14-piece dresser set.

1974 was the most successful year in the Y-12 Plant's history, as employees surpassed their own safety record by attaining 16,978,622 man-hours, from June 12, 1973, through December 1, 1974, without a lost-time injury! This also set a new corporate-wide record.

The frequency rate for 1974 was 0.09 . . . (frequency rate is defined as the number of lost-time accidents for every million man-hours worked). This was the second best year as far as frequency rate is concerned; the best year was 1972 when the Y-12 Plant had an all-time low frequency rate of 0.07.

Selection cards are being distributed to every eligible employee (any employee on the payroll during the last working day of the year), and distribution of the awards will be made when all deliveries are completed.

The 18 awards have been displayed at various portals and at the Plant Cafeteria for the past week and a half.

Next Issue

The next issue will be dated February 20. The deadline is February 11.

CONTRIBUTORS TO Y-12 SAFETY — Maintenance men from the Y-12 Plant look over the safety awards being selected now for the 1974 safety records. From left are, John Blackburn, Ron W. Presley, James Smith, Charles S. Skidmore, Carl F. Keylon and Robert S. Hopper. "Our safety record is an individual thing," Y-12 Plant Manager Jack M. Case said, "Each individual contributes to it with his safe working habits."

Savings Plan-Personal Investment Account

Recent unit values:

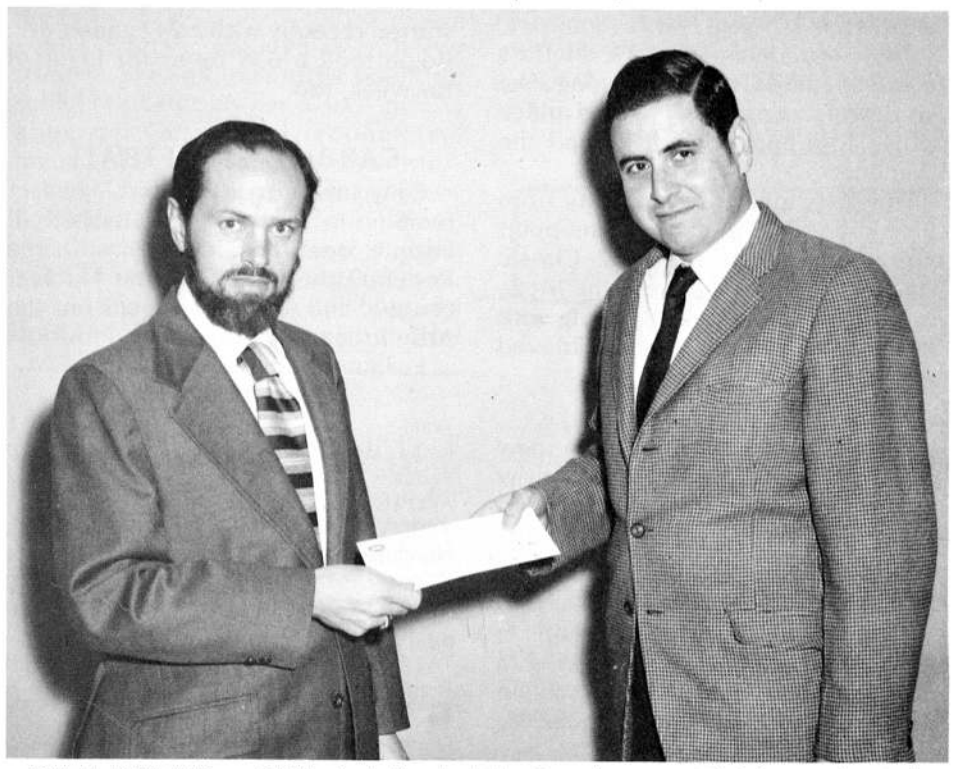
	Fixed Income Fund	UCC Stock	Equity Investment Fund
September 74	10.85	38.41	5.43
October 74	10.92	38.41	6.69
November 74	10.98	42.37	6.58
December 74	11.04	40.30	6.43

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 7-¾% for 1974. Union Carbide stock values are the average cost of stock purchases during the month plus brokerage charges. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. Dividing the total value by the number of units in the fund establishes the month's unit value - and the price at which new units are added that month.

15 8490

1974 SAFETY AWARDS — Y-12 employees are selecting safety awards from 18 items shown above. Employees earned three $2 merits, plus another $2 for their low frequency rate for 1974. The year produced the longest run in the plant's history without a lost-time accident.

75-97



FINAL REFUND — Philip A. Jallouk, right, Development Division at the Oak Ridge Gaseous Diffusion Plant, receives the second part of his expenses as part of the Educational Assistance Program, from George Kidd, special projects department. Jallouk recently received his Ph.D. in engineering science from The University of Tennessee. "EAP gives a person who wants to further his education an additional incentive for doing so. It also shows, I think, that Union Carbide is interested in helping its employees improve their skills," Jallouk stated. His doctorate dissertation, "Two-Phase Flow Pressure Drop and Heat Transfer Characteristics of Refrigerants in Vertical Tubes," was based on an experiment study of heat exchanger characteristics being done at ORGDP as part of the present capacity expansion program.

RECREATIONOTES

CARBIDE VOLLEYBALL

Only one team, the Electric Bananas in the Nuclear League, have unbeaten records in the Volleyball League, as competition stiffens in the three-league race.

League standings follow:

NUCLEAR LEAGUE

Team	W	L
Electric Bananas	6	0
Jokers	11	1
Rad-Fizz	10	5
Pogo's	4	5
Anti-Quarks	2	4
Bawlers	3	9
Maxwell Demons	0	3
O.V.E.S.D.	0	9

CARBON LEAGUE

Team	W	L
Computes	5	1
Artie's Army	2	1
M & C's	6	3
Soulistics	7	5
The Group	8	7
TAT	3	3
Bombers	4	8
Adam Smashers	1	8

ATOMIC LEAGUE

Team	W	L
Diggers	14	1
Taxi Squad	13	5
The Pubs	5	4
Quarks	2	7
Rejects	2	10
Old Men	0	9

Y-12 BOWLING

The Friskies flex their muscles atop the Y-12 Mixed League, with only three-point losses thus far in the league's second half race. Their nearest contender is the Goofers. Lenore Davis, with a 249 game, and Mabel Tyer, with a 637 series, lead handicap bowlers so far.

The Rounders sport a no-loss record so far in C League running. The Sunflowers come into second place with a four-point deficit behind the Rounders.

The Mets took the lead away from the Apollo Five, and stand one-point atop the heap in the Y-12 Classic League. The hot races sees the Mets, Apollo Five and Smelters, along with the Riders, all one point removed from each other.

LAB BOWLING

The Gutterfinks "A" is the new leader in the A League, with healthy point scores over the Ten Pins and Misfits.

C League tops go to the Pin Heads, only two-and-one-half points ahead of the Trupers. Mike Wilkinson chalked up games of 218, 181, 228 recently for a series of 627; while Tom Kitchings posted scores of 203, 219, 186 for a 608.

The Oops team is a one-half point leader in the Carbide Family Mixed League, as the Seven-Ups hang in there.

The Lab Ladies League sees the Mousechasers and Bowling Aces with the same number of wins and losses with the 'Chasers in front with a few-point lead. Mary Long's 209/252 game was high on a recent night of rolling.

CARBIDE CAMERA CLUB

The Carbide Camera Club opens a new year of activity with an invitation to all employees of Union Carbide and Oak Ridge Associated Universities to join. Family members are also welcome. Dues are $3 per year per employee, plus $1 for each family member.

The next meeting is Tuesday, February 11. All meetings are held at 7:30 p.m. in the upstairs conference room at Cheyenne Hall. Subsequent meetings will be held on the second Tuesday of each month.

The Club features monthly competition, and a giant salon each November.

Dark room facilities are available for members, and it's a good chance to learn more about photography, as educational and entertaining meetings are set each month.

Members say you don't even have to own a camera, but it helps, to belong. They say come on by and visit.

ORGDP BOWLING

The Uptowners hold a four-and-one-half point lead over the Wood Bees and Starlites in the ORGDP Women's League. Mary Foley and Irene Carmack shared honors recently in fancy competition.

The All Stars still climb in the Tuesday League, miles away from the Atoms. J.K. Phillips did some pro-like rolling recently, setting the lanes afire with games of 225/250, series of 619/694!

The Amps take a three-point lead in the Wednesday League, as the Planners breath close by. Stan Finch starred recently with a 242 game; E.V. Bogle took a 634 series for highs of the week, too.

CARBIDE BASKETBALL

Only two teams sport perfect records in the Carbide Basketball League, one in each division . . . the Rodent House Gang in the Nuclear League and the Has Beens in the Atomic League.

League standings follow:

NUCLEAR LEAGUE

Team	W	L
Rodent House Gang	5	0
Retreads	4	1
Al's Pals	3	1
APHD's	3	1
The Gunners	3	2
Shifters	3	2
Just-For-Fun	3	2
SDOGFU	2	3
TAT	1	3
Isomets	1	4
Tired Old Men	1	5
Friends	0	5

ATOMIC LEAGUE

Team	W	L
Has Beens	5	0
Testers	5	2
G.B.U.'s	4	2
Allstar Bombers	3	2
Raiders	4	3
Blackmen	2	3
Soul Children	2	3
Lab Protection	2	3
The Long Shots	2	3
The 970	2	4

MANHOLE SWIFT? — This chimney swift really got confused. Instead of building its nest high above ground (at least 100 feet up) as chimney swifts usually do, it chose a manhole near the Oak Ridge Research Reactor at the Laboratory. This is the second year the swift has built its nest in the same manhole. The baby swifts, right, were only a few days old when this photograph was made.

'Energy frontiers' theme as engineers mark big week

In this era of severe energy problems the country depends heavily on its engineers to find immediate and economical solutions. This crisis in energy will be highlighted during the week of February 17-21 as engineers throughout the country observe Engineers Week. During this period, engineers will consider in detail the many facets of the energy problems, as is suggested by the theme of Engineers Week, "Engineering Exploring New Energy Frontiers."

Local engineers will be particularly active in observing this special week. The events of the week planned by the local chapters of the Tennessee Society of Professional Engineers will begin with the mayor's breakfast Monday morning at the Hyatt Regency Hotel, Knoxville. Mayors from area communities will be the guests of the 17 sponsoring technical societies. The featured speaker for the breakfast is W.A. Fortune, immediate past president of the Knoxville Chamber of Commerce. Another important aspect of the breakfast is the presentation of the "TSPE Young Engineer of the Year" award by the Knoxville TSPE Chapter, and the TSPE Outstanding Service Award by the Oak Ridge Section of TSPE.

Other activities of Engineers Week include participation in the television program of the "Today in Tennessee" show seen Monday through Friday from 6 a.m. to 7 a.m. On this show, various engineering and technical representatives from local communities will discuss Oak Ridge facilities, Tennessee Valley Authority, engineering education, and engineers and architects in private practice.

In addition, TSPE has arranged tours of selected local industries to which outstanding high school and college science and engineering students are invited. TSPE has also established a speaker's bureau from which local schools and civic clubs can obtain speakers to discuss the energy crisis, the engineering profession, or other related subjects.

COMPANY Service

20 25 30

GENERAL STAFF

30 YEARS

Lafarish G. Rowland and Alma D. Dodd, General Accounting Division.

25 YEARS

Opal M. Waller.

20 YEARS

William L. Erwin Jr., Joe S. Rhyne.

A Signal?

Persistent hoarseness or difficulty in swallowing could be a Warning Signal of cancer. See your physician because only he can tell for sure, the American Cancer Society reminds us.